# BinoSharps - Medical Smart Waste Bin

An innovative solution for the safe management of biting medical waste, combining advanced technology and compliance with the strictest health standards.

# Signification du Nom



BinoSharps combines the word "Bino", short for "bin", with "Sharps", an international medical term for sharp waste such as syringes, needles and sharp objects.

This name reflects the specialization of our solution in the safe and intelligent sorting of hazardous waste in clinical settings.

# General Description

### Full Automation

The BinoSharps automates the collection, separation, disinfection, and tracking of sharp and non-sharp waste.

### Maximum Safety

Ensures safe and hygienic management of hazardous medical waste.

### Normative Compliance

Meets the strictest health standards for healthcare facilities.

# Design and Structure

## Format Mobile

Charging station on quiet rubber wheels for easy movement between services.

## Interface Intuitive

8-inch oval touchscreen provides a streamlined user experience.

## Medical Materials

Medical stainless steel chassis with built-in antimicrobial coating.

## UV-C disinfection

Built-in lamp ensuring automatic disinfection after each use.

# Smart Features



**1** Secure RFID System

Opening/closing of the bins via personal badge with identification and full traceability of the deposits.

**2** Automated Syringe Management

Detection by weight sensors and automatic separation of needles and syringe bodies into separate bins.

**3** Real-Time Monitoring and Statistics

Accurate weight, frequency and fill rate data with API interface for software integration.

# Automatic Waste Separation

The intelligent system automatically separates:

- The needle is isolated in a tamper-resistant, hermetically sealed secure tray

- The syringe body is sent to a second plastic waste bin

# Health & Safety



**Zéro Contact Manuel**

Fully automated process eliminating the risk of contamination.

**Tamper-Proof Needle Tray**

Design prevents manual reopening after deposit.

**Automatic UV Cycle**

Disinfection with UV-C rays after each use.

**Safe Cleaning**

Interior easy to clean without exposure to hazards.

# Connectivity and Dimensions

## Advanced Connectivity

- Wi-Fi & Ethernet for cloud synchronization
- PLC port for centralized multi-bin management
- Automatic alerts in case of saturation or need for maintenance

## Dimensions Standard

**110 cm**

Height

**50 cm**

Width

**60 cm**

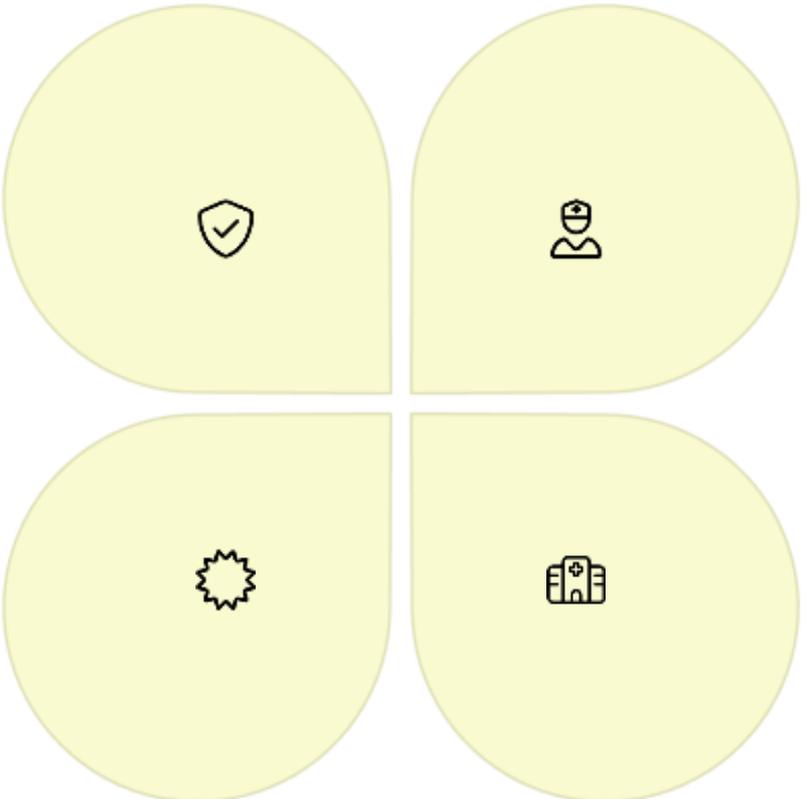Depth

**55 kg**

Curb weight

# Key Benefits

### Enhanced Security

Avoids injuries and contamination related to medical waste.

### Protection of personnel

Secures caregivers and patients from accidental exposure.

### DASRI compliance

Complies with the standards for the management of Healthcare Waste with Infectious Risks.

### Institutional image

Enhances the image of the clinic through clean, innovative and connected technology.

# Applications

### Healthcare Facilities

Private clinics and public hospitals

### Specialized Services

Intensive care units and operating theatres

### Centres Techniques

Laboratories and vaccination centres

### Mobile Units

Visiting medical services and emergency response